

## Heavy Duty

# H2436

## Polymer Concrete 2' x 3' Vault H-20

### Carson Industries, LLC

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### RAW MATERIAL SPECIFICATIONS

#### Polymer Concrete, H-20

Standard Test Method	Properties of Raw Material	ASTM Designation	Test Results
Compressive Strength of Polymer Concretes	Compressive Strength	C 579-96	11,000 psi
Flexural Strength and Modulus of Elasticity of Polymer Concretes	Flexural Strength Modulus of Elasticity	C 580-93	1,800 psi 2,900,000 psi
Chemical Resistance of Polymer Concretes	Chemical Resistance	C 267-97	Pass <sup>4</sup>
Determination of Impact Resistance by means of a Tup (falling weight)	Impact Resistance	D 2444-93	Pass <sup>5</sup>

<sup>1</sup>AASHTO H-10, ASTM C 857, A-8, 8,000 lbs Design Load. Static Vertical Load Rating >22,880 lbf. SCTE Tier 10, 10,400 lb design load; 22,568 lbf minimum test load.

<sup>2</sup>Coefficient of Friction (ASTM C1028) >0.5

<sup>3</sup>Western Underground Committee, Guide 3.6

<sup>4</sup>Specimens exposed to ten reagents (alkalis, acids and petroleum distillates) experience <2% weight and dimensional change and retain >75% of average Compressive Strength. Listing of reagents and test reports available upon request.

<sup>5</sup>Capable of withstanding 70 ft-lbs impact with a type "C" Tup.

#### VERTICAL AND LATERAL LOAD RATING (*Design Load; Test Load*)

##### Heavy Duty Covers

- Compliant with AASHTO, Design Load of H-10; ASTM C 857-95, Design Load of A-8, 8,000 lbs. Capable of withstanding a Static Load of >22,880 lbf transferred through a 10" x 10" steel plate centered on the cover and body.
- Compliant with AASHTO, Design Load of H-20; ASTM C 857-95, Design Load of A-16, 16,000 lbs. Capable of withstanding a Static Load of >45,760 lbf transferred through a 10" x 20" steel plate centered on the cover and body.
- This product is designed to withstand H-10 and H-20 loading in incidental or non-deliberate traffic areas. Not intended to be installed in roadways.

### SHIPPING INFORMATION

	Weight
2436-P1 Cover	185 lbs.
2436-18 Body	128 lbs.
2436-24 Body	147 lbs.
2436-9XExtension	60 lbs.

#### Shipping Configuration

18" – Unit, 4 assemblies = 53.8 cu. ft.; 1,252.0 lbs.

24" – Unit, 4 assemblies = 69.6 cu. ft.; 1,328.0 lbs.

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